Cisco SRW2008MP 8-Port Gigabit Switch: WebView/Max PoE
Cisco Small Business Managed Switches

Secure, Reliable, Intelligent, Managed Gigabit Switching with PoE for Small Businesses

Highlights

- Eight high-speed ports to support bandwidth-intensive applications
- Power over Ethernet easily and cost-effectively powers wireless access points, video cameras, and other network-connected endpoints
- Strong security protects network traffic to keep unauthorized users off the network
- Basic QoS helps ensure a consistent network experience and supports networked applications including voice, video, and data storage
- Simplified management through WebView web interface

Figure 1. Cisco SRW2008MP 8-Port Gigabit Switch: WebView/Max PoE

Product Overview

The Cisco® SRW2008MP 8-Port Gigabit Switch (Figure 1) is fully managed and brings Gigabit speeds to your users while adding a whole new level of intelligence and security to your network. The eight 10/100/1000 Mbps ports enable you to take advantage of the Gigabit Ethernet interfaces shipping on the current generation of servers, workstations, and storage devices, in addition to supporting existing 10/100 Mbps clients. The optional mini Gigabit Interface Converter (mini-GBIC) ports allow you to expand the network as your business grows.

The Cisco SRW2008MP supports the IEEE 802.3af standard for Power over Ethernet (PoE). For applications where four or fewer PoE devices are being connected, the Cisco SRW2008MP is the ideal solution. It supports four ports at 15.4W per port (or eight ports at 7.7W). All ports have automatic load sensing circuitry that automatically detects PoE on the end device before providing power. The ports also feature independent overload and short-circuit protection, along with LED indicators for power status.

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As more business functions and processes migrate to the network, having an intelligent network becomes a necessity. The Cisco SRW2008MP is able to secure the network through IEEE 802.1Q VLANs, IEEE 802.1X port authentication, access control lists (ACLs), and MAC-based filtering. At the same time, the enhanced quality of service (QoS) and traffic management features ensure clear and reliable voice and video communications.

Having this additional capability is not useful if it cannot be implemented. WebView provides an intuitive, secure management interface, enabling you to better utilize the comprehensive feature set of the Cisco SRW2008MP, resulting in a better-optimized, more secure network.

Features

- Eight 10/100/1000 Gigabit Ethernet ports
- Two mini-GBIC slots for fiber and copper Gigabit Ethernet expansion
- PoE available on any of the eight 10/100/1000 ports. The IEEE 802.3af maximum of 15.4W per port is available on four ports simultaneously or up to 7.5W on all eight ports
- 16-Gbps, nonblocking, store-and-forward switching capacity
- Simplified QoS management using 802.1p, Differentiated Services (DiffServ), or type of service (ToS) traffic prioritization specifications
- ACLs for granular security and QoS implementation
- WebView management enables configuration and monitoring from a standard web browser
- Secure remote management of the switch via Secure Shell (SSH) and Secure Sockets Layer (SSL) encryption
- 802.1Q-based VLANs enable segmentation of networks for improved performance and security
- Private VLAN Edge (PVE) for simplified network isolation of guest connections or autonomous networks
- Automatic configuration of VLANs across multiple switches through Generic VLAN Registration Protocol (GVRP) and Generic Attribute Registration Protocol (GARP)
- User/network port-level security via 802.1X authentication and MAC-based filtering
- Increased bandwidth and added link redundancy with Link Aggregation Control Protocol (LACP)
- Enhanced rate-limiting capabilities and storm control, including multicast, broadcast, and flood control
- Port mirroring for noninvasive monitoring of switch traffic
- Jumbo frame support (10 KB)
- Simple Network Management Protocol (SNMP) v1, v2c, and v3 and Remote Monitoring (RMON) support
- Fully rack-mountable using the included rack-mounting hardware

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Specifications

Table 1 contains the specifications, package contents, and minimum requirements for the Cisco SRW2008MP 8-Port Gigabit Switch.

Table 1. Specifications for the Cisco SRW2008MP 8-Port Gigabit Switch: WebView/Max PoE

Specifications	
Ports	• 8 RJ-45 connectors for 10BASE-T/100BASE-TX/1000BASE-T with 2 Gigabit combo ports shared between mini-GBIC ports and ports 7 and 8 • Console port • Auto medium dependent interface (MDI) and MDI crossover (MDI-X) • Auto negotiate/manual setting
Cabling type	• Unshielded twisted pair (UTP) Category 5 or better for 10BASE-T/100BASE-TX • UTP Category 5 Ethernet or better for 1000BASE-T
LEDs	Link/Act, PoE, System
PoE	802.3af compliant. Supply up to IEEE standard maximum of 15.4W on four 10/100/1000 ports or up to 7.7W on eight 10/100/1000 ports
Performance	
Switching capacity	16 Gbps, nonblocking
Forwarding rate	11.9 mpps wire-speed performance
Layer 2	
MAC table size	8000
Number of VLANs	256 active VLANs (VLAN ID range is 4096)
VLAN	• Port-based and 802.1Q tag-based VLANs • Management VLAN
Head-of-line (HOL) blocking	HOL blocking prevention
Management	
Web user interface	Built-in web user interface for easy browser-based configuration (HTTP/HTTPS)
SNMP	SNMP version 1, 2c, and 3 with support for traps
SNMP MIBs	• RFC1213 MIB-2, RFC2863 interface MIB • RFC2665 Ether-like MIB • RFC1493 bridge MIB • RFC2674 extended bridge MIB (P-bridge, Q-bridge) • RFC2819 RMON MIB (groups 1, 2, 3, and 9 only) • RFC2737 entity MIB • RFC2618 RADIUS client MIB, RFC1215 traps
RMON	Embedded RMON software agent supports 4 RMON groups (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis
Firmware upgrade	Web browser upgrade (HTTP) and Trivial File Transfer Protocol (TFTP)
Port mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe

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Other management	• Traceroute • SSL • SSH • RADIUS • Port mirroring • TFTP upgrade • SSL security for web user interface • Dynamic Host Configuration Protocol (DHCP) client • BOOTP • Simple Network Time Protocol (SNTP) • Xmodem upgrade • Cable diagnostics • Ping • Telnet client (SSH secure support)
Security	
IEEE 802.1X	802.1X-RADIUS authentication; MD5 encryption
Access control	• ACLs-Drop or rate limit based on: ◦ Source and destination MAC-based ◦ Source and destination IP address ◦ Protocol ◦ ToS/DSCP ◦ Port ◦ VLAN ◦ Ethertype
Availability	
Link aggregation	• Link aggregation using IEEE 802.3ad LACP • Up to 8 ports in up to 8 groups
Storm control	Broadcast, multicast, and unknown unicast
Spanning Tree	IEEE 802.1D Spanning Tree, IEEE 802.1w Rapid Spanning Tree, IEEE 802.1s Multiple Spanning Tree
IGMP snooping	Internet Group Management Protocol (IGMP) (v1/v2) snooping limits bandwidth-intensive video traffic to only the requestors. Supports 256 multicast groups.
QoS	
Priority levels	4 hardware queues
Scheduling	Priority queuing and weighted round-robin (WRR)
Class of service	• Port based • 802.1p VLAN priority based • IPv4/v6 IP precedence/ToS/DSCP based • TCP/ User Datagram Protocol (UDP) port based • DiffServ • Classification and re-marking ACLs
Rate limiting	• Ingress policer • Egress rate control
Standards	• 802.3 10BASE-T Ethernet • 802.3u 100BASE-TX Fast Ethernet • 802.3ab 1000BASE-T Gigabit Ethernet • 802.3z Gigabit Ethernet • 802.3x flow control, • 802.3ad LACP • 802.3af PoE, 802.1d Spanning Tree Protocol (STP) • 802.1Q/p VLAN • 802.1w Rapid STP • 802.1s Multiple STP • 802.1X port access authentication
Environmental	

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Dimensions **W x H x D**	11 x 1.75 x 6.69 in. (279 x 45 x 170 mm)
Unit weight	2.65 lb (1.2 kg)
Power	External AC power adapter
Certification	FCC Part 15 Class A, CE Class A, UL, cUL, CE mark, CB
Operating temperature	32º to 104ºF (0º to 40ºC)
Storage temperature	-4º to 158ºF (-20º to 70ºC)
Operating humidity	10% to 90%
Storage humidity	10% to 95%
Package Contents	
• Cisco SRW2008MP 8-Port Gigabit Switch plus two shared mini-GBIC ports • AC power adapter and cord • Rack-mounting kit • CD with user guide in PDF format • Registration card • Console cable	
Minimum Requirements	
• Web-based utility: Microsoft Internet Explorer (version 5.5 or later) • Category 5 Ethernet network cables • Operating system: Windows 2000, XP, or later	
Product Warranty	
5-year limited hardware warranty with return to factory replacement and 90-day limited software warranty	

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This Cisco Small Business product comes with a 5-year limited hardware warranty with return to factory replacement and a 90-day limited software warranty. In addition, Cisco offers software application updates for bug fixes and telephone technical support at no charge for the first 12 months following the date of purchase. To download software updates, go to: http://www.cisco.com/go/smallbiz.

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